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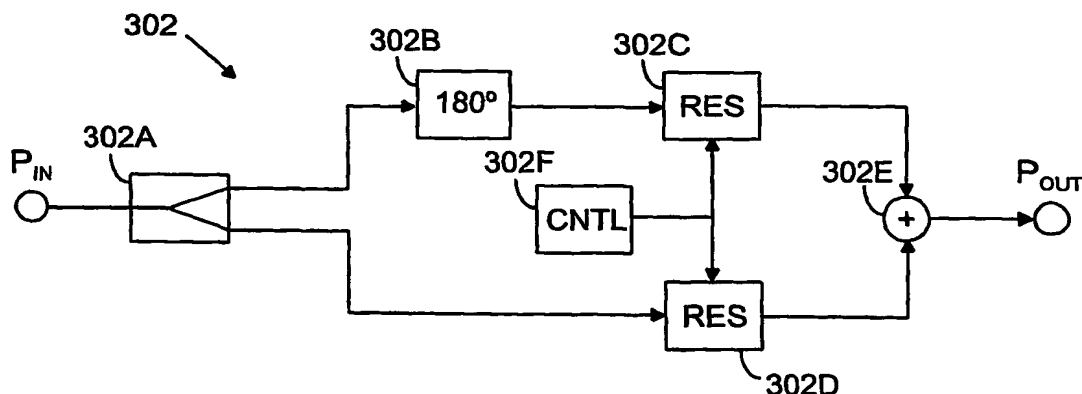
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(54) Title: **AMPLITUDE CONTROLLER**



(57) Abstract: An amplitude controller for adjusting the amplitude of a radio-frequency signal, the amplitude controller comprising means for splitting (302A) an amplitude adjustment input signal into one or more signal pairs, each signal pair comprising two partial signals, means for generating (302B) an inverse-phase-sized phase difference between the partial signals of each signal pair, means for adjusting (302C, 302D, 302F) the amplitudes of the partial signals of each signal pair by employing the mutual magnitude of the amplitudes of the partial signals as the factor controlling the adjustment, and means for summing up (302E) the partial inverse-phased and amplitude-adjusted signals as an output signal.

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